

PATENT COOPERATION TREATY

TRANSLATION

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

Date of mailing
(day/month/year)

Applicant's or agent's file reference

0E631PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/JP2005/000477

International filing date (day/month/year)

17.01.2005

Priority date (day/month/year)

23.01.2004

International Patent Classification (IPC) or both national classification and IPC

Applicant

ITO YOGYO CO., LTD.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP

Authorized officer

Facsimile No.

Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/000477

Box No. I

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language
_____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/JP2005/000477

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>3, 4</u>	YES
	Claims	<u>1, 2</u>	NO
Inventive step (IS)	Claims	<u></u>	YES
	Claims	<u>1, 2, 3, 4</u>	NO
Industrial applicability (IA)	Claims	<u>1, 2, 3, 4</u>	YES
	Claims	<u></u>	NO

2. Citations and explanations:

Document 1: JP, 2001-159189, A (Kaneso Co., Ltd.), 12 June, 2001 (12.06.01), paragraphs [0006], [0008], [0012], [0017] and [0018] and Fig. 3 (Family: none)

Document 2: JP, 10-43831, A (KYOEI STEEL LTD.), 17 February, 1998 (17.02.98), paragraph [0002] and Fig. 1 (Family: none)

Document 3: JP, 9-184104, A (Nihon Steep Kogyo K.K.), 15 July, 1997 (15.07.97), paragraphs [0002] and [0008] and Figs. 1-5 (Family: none)

Inventions related to claims 1 and 2 do not appear to be novel and inventive on account of the document 1, paragraphs [0006], [0008], Fig. 3 and paragraph [0017].

Also, in the invention related to claim 1, when the straightening board has a curved side face, and when the side face is diagonally formed divergently in the upper direction relative to the water lead-in surface, inventions related to claims 1 and 2 do not appear to be inventive on account of the document 1 and the document 3 (paragraph [0008] and Figs. 1-4) cited in the ISR. Forming the main bar described in the document 1 with a curved line such that the side face is narrowed in width in the lower direction is easy to a person skilled in the art.

The invention related to claim 3 does not appear to be inventive on account of the document 1 and the document 2 (paragraph [0002] and Fig. 1) cited in the ISR, or documents 1-3. Forming the undulated nonskid of the document 2 on the upper end face of the main bar described in the document 1 is easy to a person skilled in the art.

The invention related to claim 4 does not appear to be inventive on account of the document 1 and the document 3 (paragraph [0002] and Fig. 5) cited in the ISR, or documents 1-3. Applying the grating groove cover described in the document 1 to a groove built along a road as in the document 3 is easy to a person skilled in the art.